

PS-1350/PS-2350

Wega P3440



Photo shows PS-2350 (AEP, UK Model)

USA Model :PS-2350

UK Model :PS-1350/2350

AEP Model :PS-2350

E Model :PS-2350

Canada Model :PS-1350

631

Distinction of the sets
PS-2350 has a lateral weight.
PS-1350 does not.

TURNTABLE SYSTEM

SPECIFICATIONS

TURNTABLE

Platter: 300mm (11 $\frac{3}{4}$ inches), diecast aluminum alloy

Output Voltage: 3mV at 1 kHz, 5 cm/sec.

Drive System: Belt-drive system

Load Impedance: 50 kΩ

Motor: 4-pole synchronous

Tracking Force: 1.5~2.5g (2g)

Speeds: 33 $\frac{1}{3}$, 45rpm

Stylus: Sony ND-134G (Conical 0.5mil diamond)

Wow and Flutter: $\pm 0.08\%$ (DIN)
 0.06% (WRMS)

Weight: 5.5g

S/N Ratio: 63dB (DIN-B)

GENERAL

Power Requirement: 120V ac, 60Hz (USA, Canada Model)
110, 127, 220 or 240V ac selectable
50/60Hz (UK, AEP Model)
100, 120, 220 or 240V ac selectable
50Hz (E Model)

TONEARM

Type: Statically balanced

Power Consumption: 18W

Pivot to Stylus: 216.6mm (8 $\frac{7}{16}$ inches)

Dimensions: 450 (w) x 170 (h) x 380 (d) mm
17 $\frac{3}{4}$ (w) x 6 $\frac{5}{16}$ (h) x 15 (d) inches

Overall Arm Length: 300mm (11 $\frac{3}{4}$ inches)

Weight: PS-2350 (8.4kg 18lb 7oz (net)
10kg 21lb 15oz (with shipping carton)

Overhang: 16.5mm ($\frac{5}{8}$ inches)

PS-1350 (8.7kg 19lb 3oz (net)
10.5kg 23lb 2oz (with shipping carton)

Tracking Force Adjustment Range: 0~3g

Cartridge Weight Range: 4~12.5g

CARTRIDGE

Type: Moving magnet

SONY®
SERVICE MANUAL

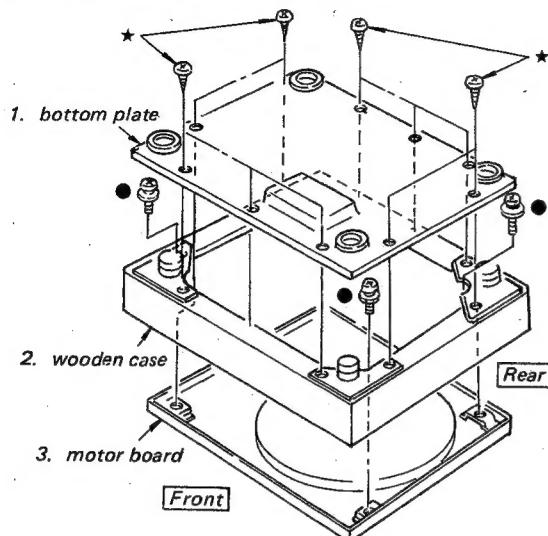
Frequency Range: 10Hz~30,000Hz

Channel Separation: 25dB at 1,000Hz

SECTION 1 DISASSEMBLY AND REPLACEMENT

1-1. Bottom Plate, Wooden Case and Motor Board Removal

[For USA, Canada, E Model]



1. Bottom Plate:

Remove ten screws marked * (ø R3.1 x 13, wood).

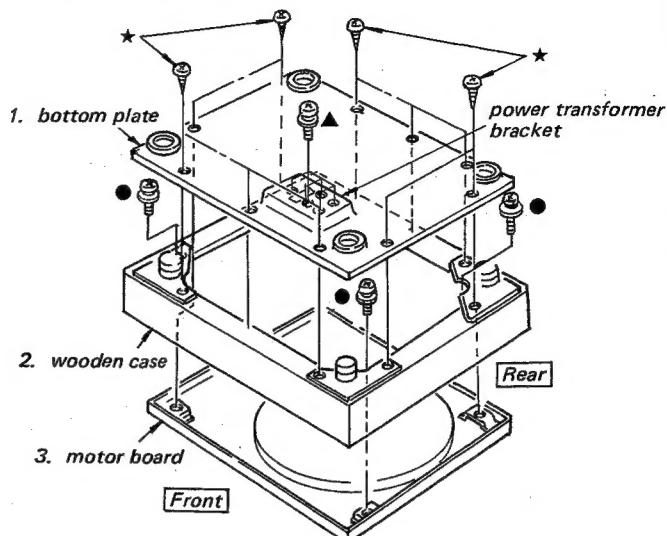
2. Wooden Case:

- ① Remove four screws marked • (ø PSW 4 x 25).
- ② Remove each screw (ø R3.1 x 13, wood) for power cord strain relief and phono cord clamp.

3. Motor Board:

Remove the bottom plate and the wooden case.

[For UK, AEP Model]



Note: Unplug the power cord.

1. Bottom Plate:

- ① Remove ten screws marked * (ø R3.1 x 13, wood).
- ② Remove five screws marked ▲ (ø PSW 3 x 8).

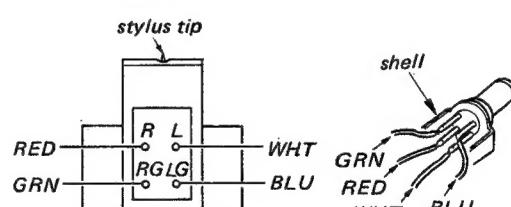
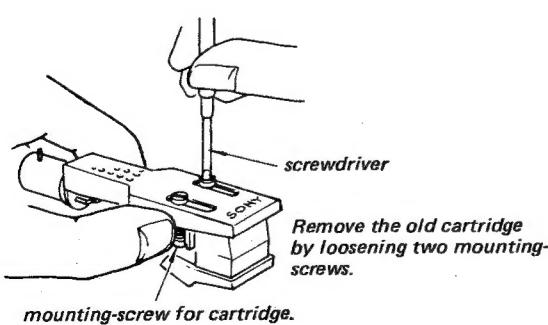
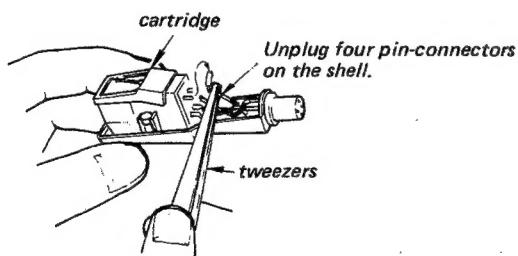
2. Wooden Case:

- ① Remove four screws marked • (ø PSW 4 x 25).
- ② Remove two screws (ø R 3.1 x 13, wood) for phono cord clamp.

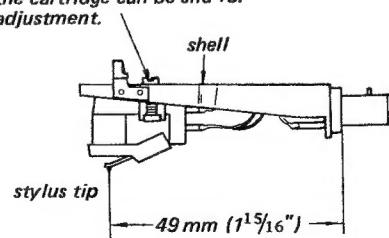
3. Motor Board:

Remove the bottom plate and the wooden case.

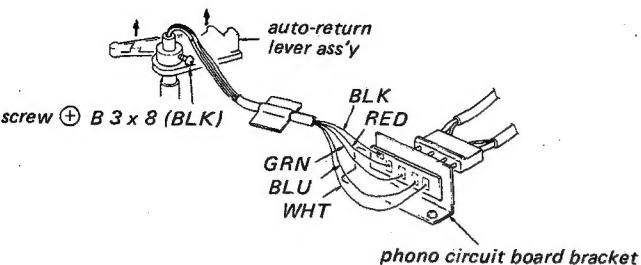
1-5. Cartridge Replacement



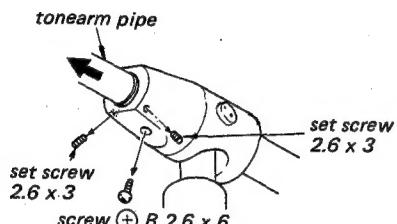
Fasten the screws lightly so that the cartridge can be slid for adjustment.



1-2. Tonearm Pipe Replacement

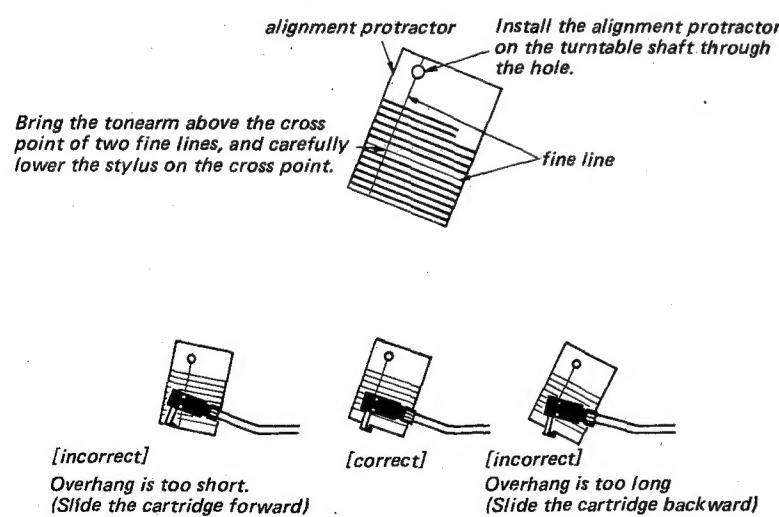


1. Remove the auto-return lever and unsolder five lead wires.
2. Remove the arm lifter.
3. Remove the tonearm pipe shown below.



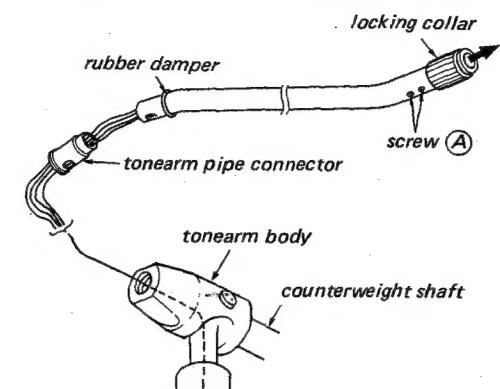
4. Replace the tonearm pipe.

[Overhang Adjustment]

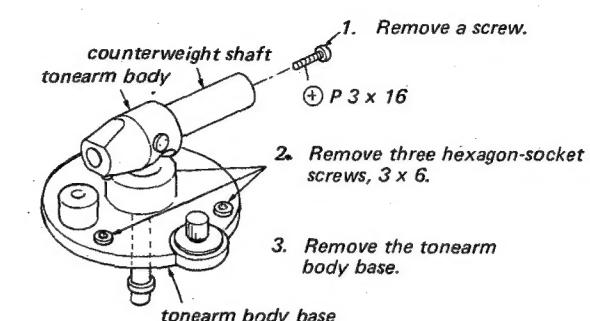


1-3. Locking Collar Replacement

1. Remove two screws
2. Replace the locking collar.



1-4. Tonearm Body Base Removal

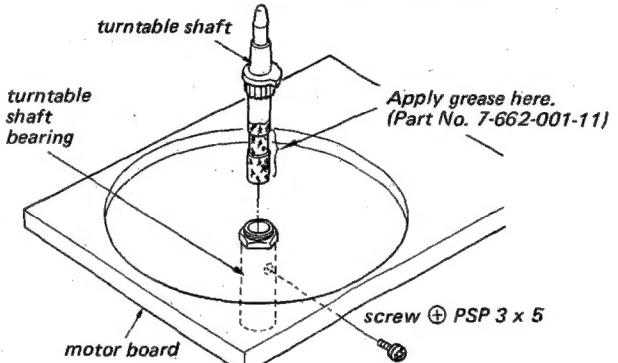


[CAUTION]

Do not remove the tonearm body ass'y. The reassembling of tonearm body will result in mechanical troubles.

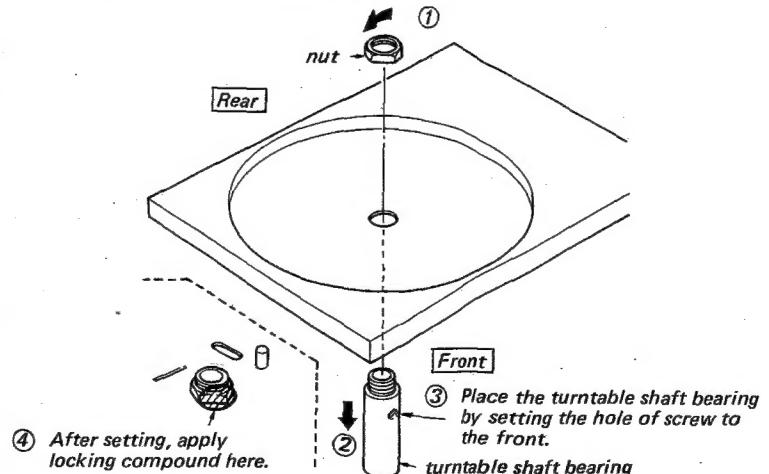
1-6. Turntable Shaft Removal

Pull out the turntable shaft by removing a screw + PSP 3 x 5.



Note: Apply grease on the turntable shaft, when reinstalling it.

1-7. Turntable Shaft Bearing Replacement

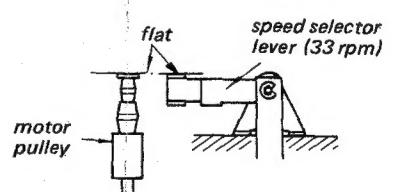


1-8. Adaptation to Local Line Frequency

Motor Pulleys	
For 50 Hz	For 60 Hz
	groove
[Part No. X-4844-007-1]	[Part No. X-4844-007-2]

Procedure:

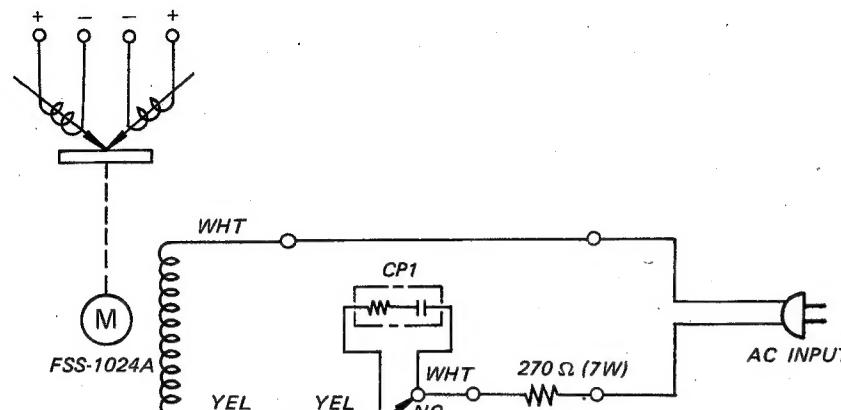
1. Install the replacement pulley, and set the speed selector knob to 33 rpm position.
2. Adjust the height of the motor pulley so that the top of motor pulley is even with the top edge of speed selector lever as shown below.



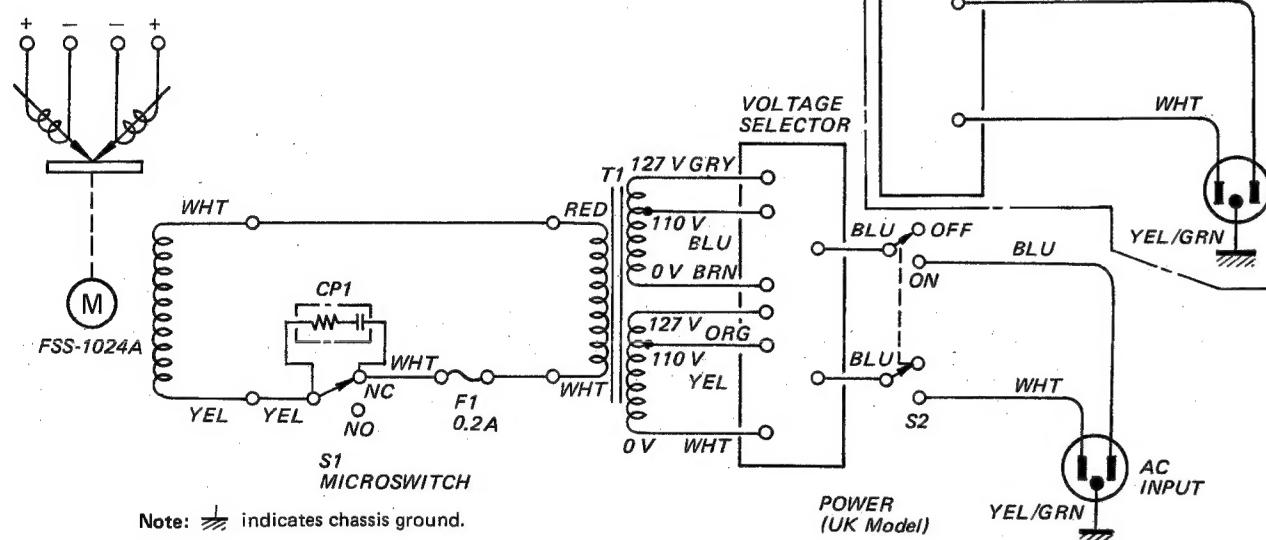
SECTION 2 DIAGRAMS

SCHEMATIC DIAGRAM

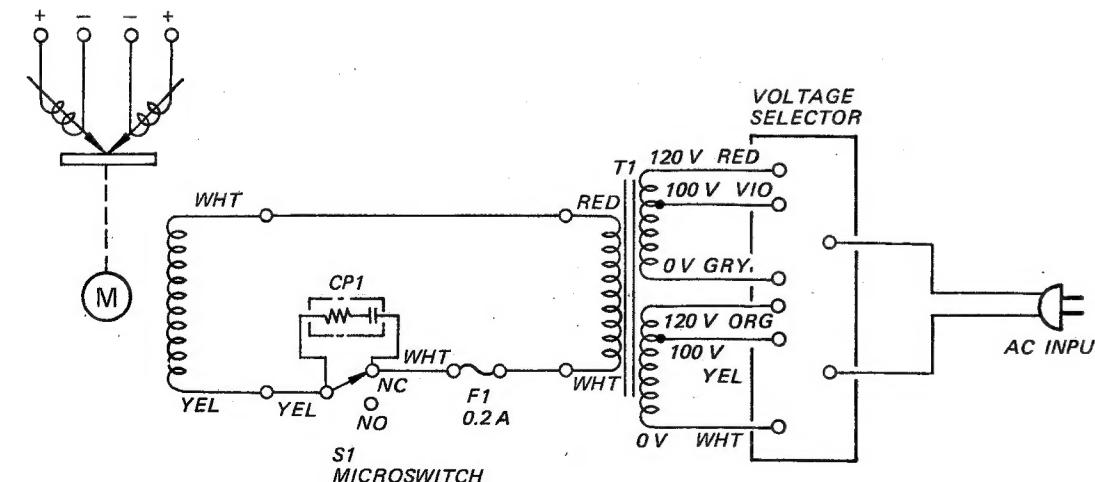
2-1. USA, Canada Model



2-2. UK, AEP Model



2-3. E Model

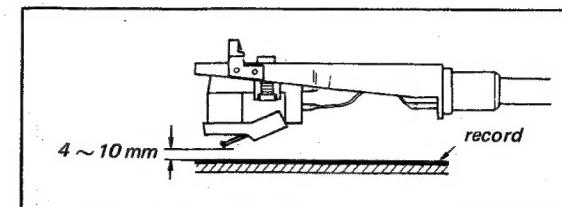


SECTION 3 ADJUSTMENTS

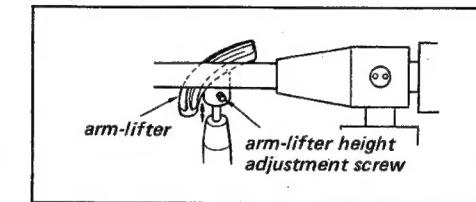
3-1. TONEARM HEIGHT ADJUSTMENT

At Automatic Return Operation

- When the tonearm automatically returns to its tonearm rest after playing, check to see that the clearance between the stylus tip and the record on the turntable is 4 to 10 mm as shown below.

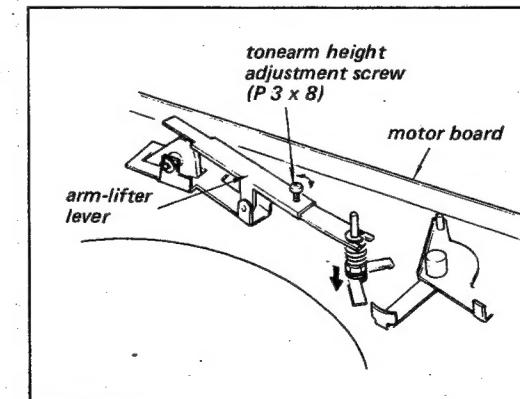


- If necessary, adjust the height of the arm-lifter by loosening its adjustment screw shown below.



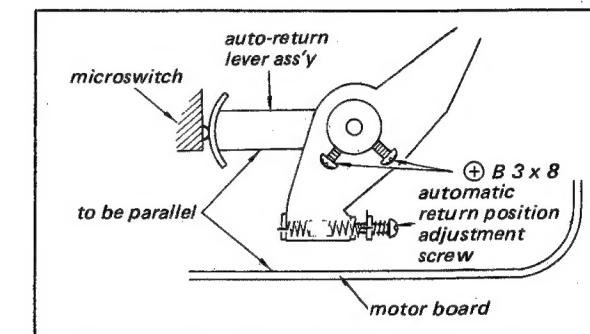
At Manual Cueing Operation

- Set the cueing lever to "X" position.
- Confirm that the clearance between the stylus tip and the record on the turntable is 4 to 10 mm.
- If necessary, adjust the height of the tonearm lifting platform by loosening the tonearm height adjustment screw as shown below.



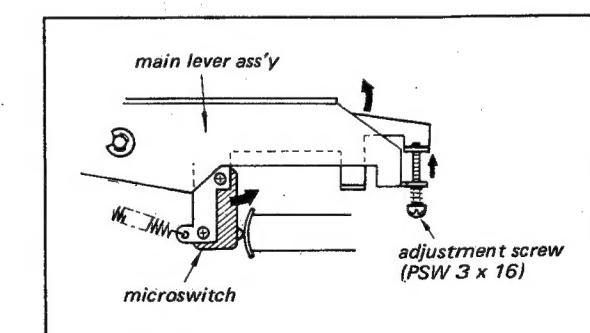
3-2. AUTOMATIC RETURN POSITION ADJUSTMENT

- Remove the tonearm from its rest.
- Loosen the allen-head screw, and adjust the tonearm lever so that the auto-return lever ass'y is in parallel to the edge of chassis as shown below.
- The position where the tonearm starts to return can be adjusted by turning the automatic return position adjustment screw shown below. If the automatic return works too early, turn the adjustment screw clockwise — if too late, turn the screw counterclockwise.



3-3. MICROSWITCH POSITION ADJUSTMENT

- Place the tonearm on the tonearm rest.
- Set the microswitch to "OFF" by turning the adjustment screw.



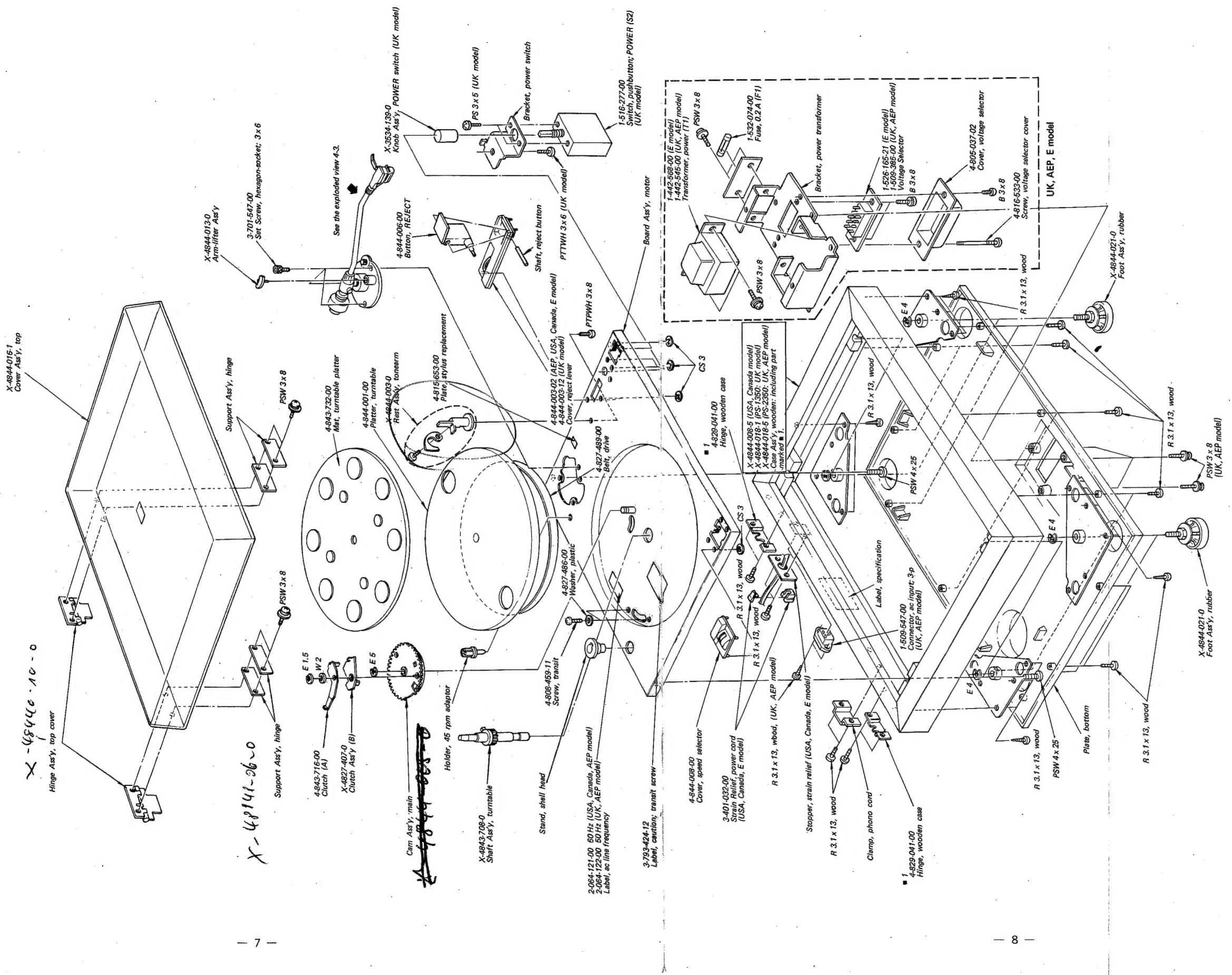
- When the tonearm is removed from its rest, check to see that the microswitch is "ON".
- Repeat the above step 2 and 3, if necessary.
- When the tonearm returns to its rest in automatic return operation, confirm that the microswitch is "OFF".

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SECTION 4

EXPLODED VIEWS

4-1.

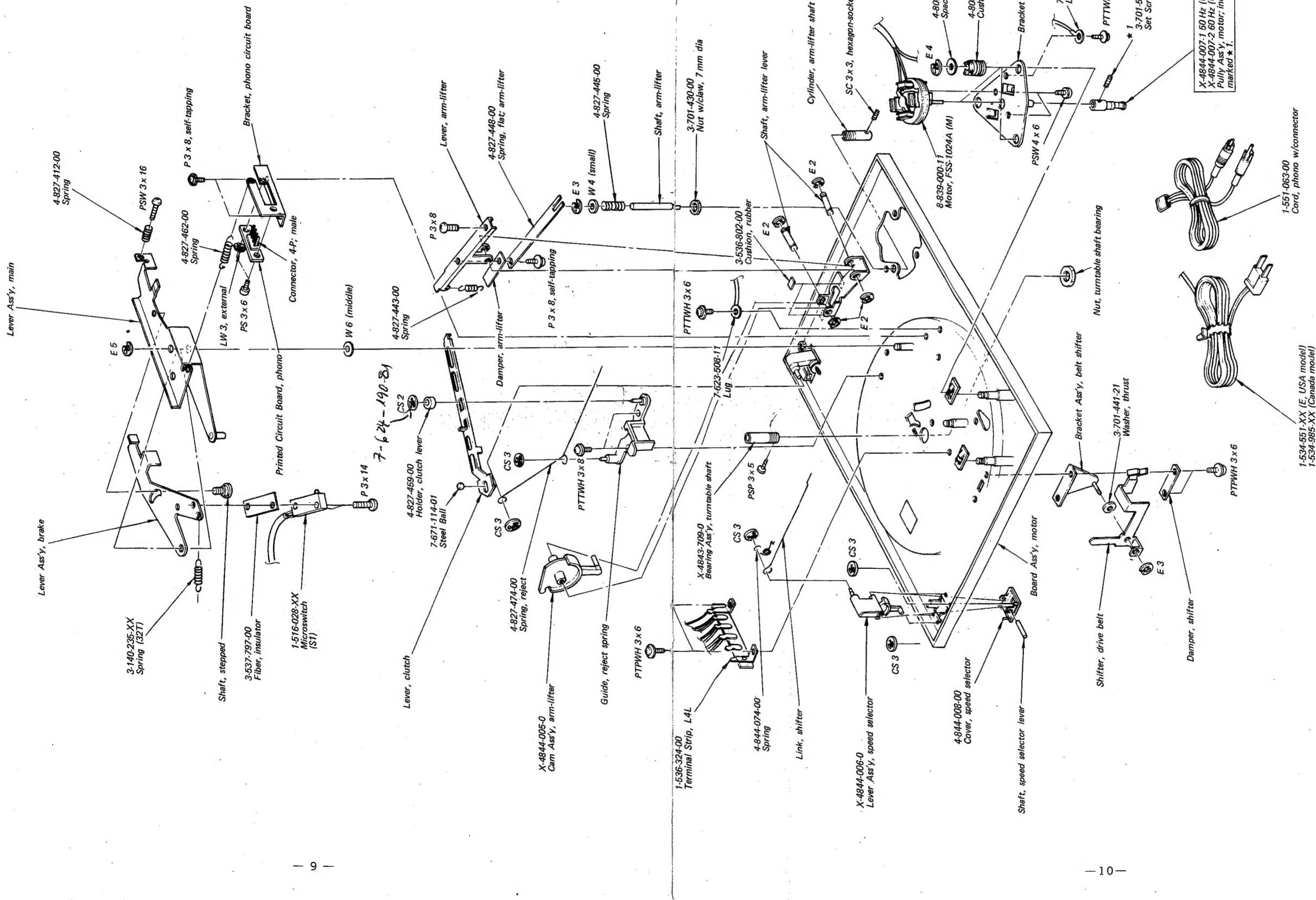


Note:

- Items with no part number and/or no description are not stocked because they are seldom required for routine service.
 - All screws are Phillips (cross recess) type unless otherwise noted.
(-) = slotted head

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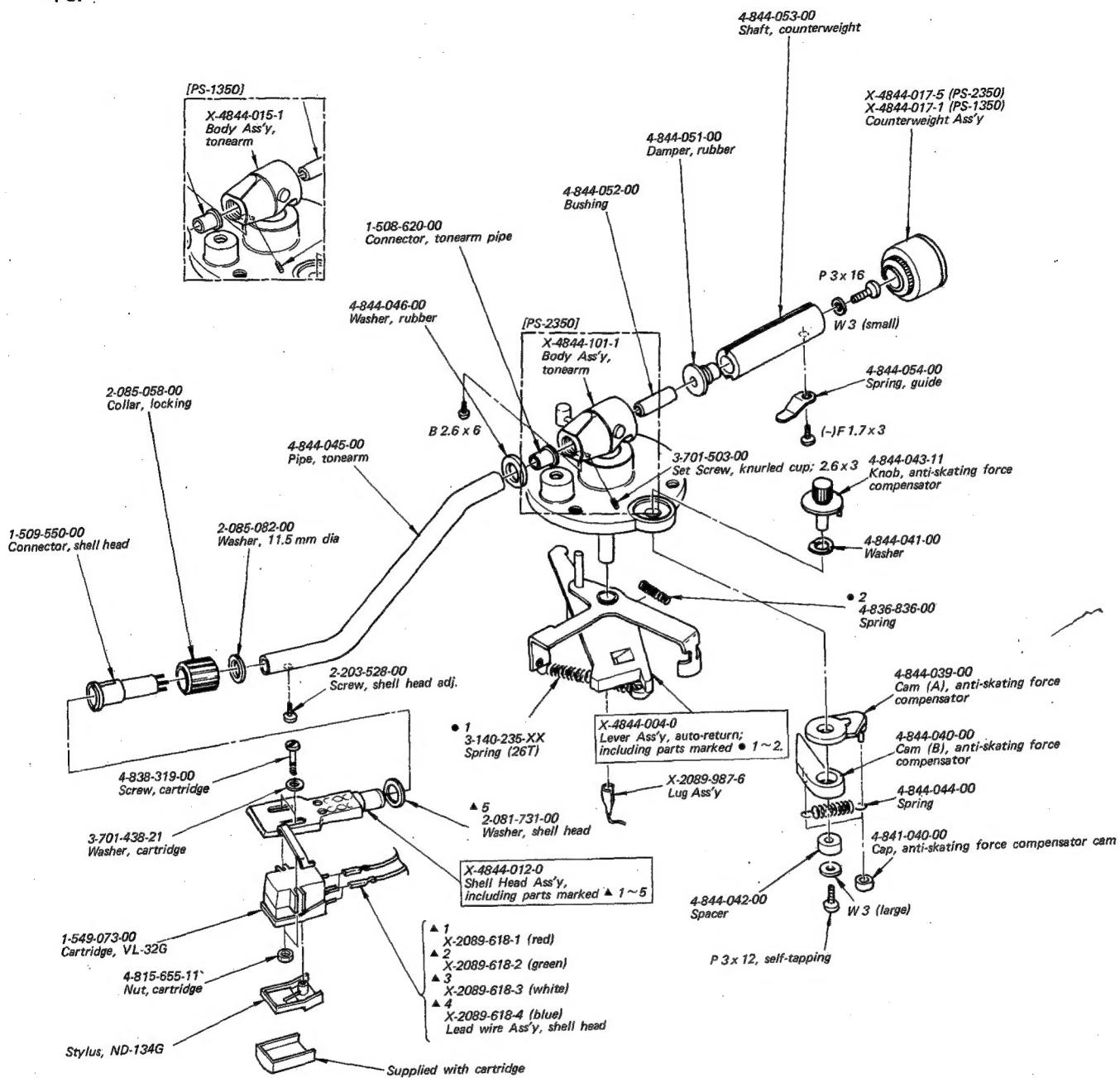
PS-1350/PS-2350



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- (-) = slotted head
- (□□T) shows the number of coils in spring.

4-3.



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(-) = slotted head
- (□□T) shows the number of coils in spring.

SECTION 5

PARTS LIST

5-1. ELECTRICAL PARTS

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
CP1	1-101-534-00	Encapsulated Component
F1	1-532-074-00	Fuse, 0.2 A (UK, AEP, E Model)
M	8-839-000-11	Motor, FSS-1024A
S1	1-516-028-XX	Microswitch
S2	1-516-277-00	Switch, pushbutton; POWER (UK Model)
T1	1-442-545-00	Transformer, power (UK, AEP Model)
	1-442-568-00	Transformer, power (E Model)
	1-207-944-11	Resistor, wirewound, 270 Ω; 7W (USA, Canada Model)

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
	1-508-620-00	Connector, tonearm pipe
	1-509-385-00	Voltage Selector (UK, AEP Model)
	1-526-165-21	Voltage Selector (E Model)
	1-509-550-00	Connector, shell head
	1-509-547-00	Connector, ac input; 3-p (UK, AEP Model)
	1-534-551-XX	Cord, power (USA, E Model)
	1-534-985-XX	Cord, power (Canada Model)
	1-536-324-00	Terminal Strip, L4L
	1-549-073-00	Cartridge, VL-32G
	1-551-063-00	Cord, phono; w/connector

5-2. ACCESSORIES

<u>Part No.</u>	<u>Description</u>
1-534-819-00	Cord, power; 3 p (UK Model)
2-054-619-00	Washer, cartridge
2-056-532-00	Screw, cartridge
3-701-806-00	Adaptor, manual; 45 rpm
3-780-805-41	Manual, instruction (UK Model)
3-793-395-00	Gauge, overhang adjustment

<u>Part No.</u>	<u>Description</u>
3-793-814-11	Card, caution
3-793-815-11	Card, caution
3-780-806-11	Manual, instruction (AEP, E Model)
3-780-806-21	Manual, instruction (USA Model)
3-780-805-31	Manual, instruction (Canada Model)